

DoD Consolidated Influenza Surveillance Report

Week 02 (05 January 2019— 11 January 2020)



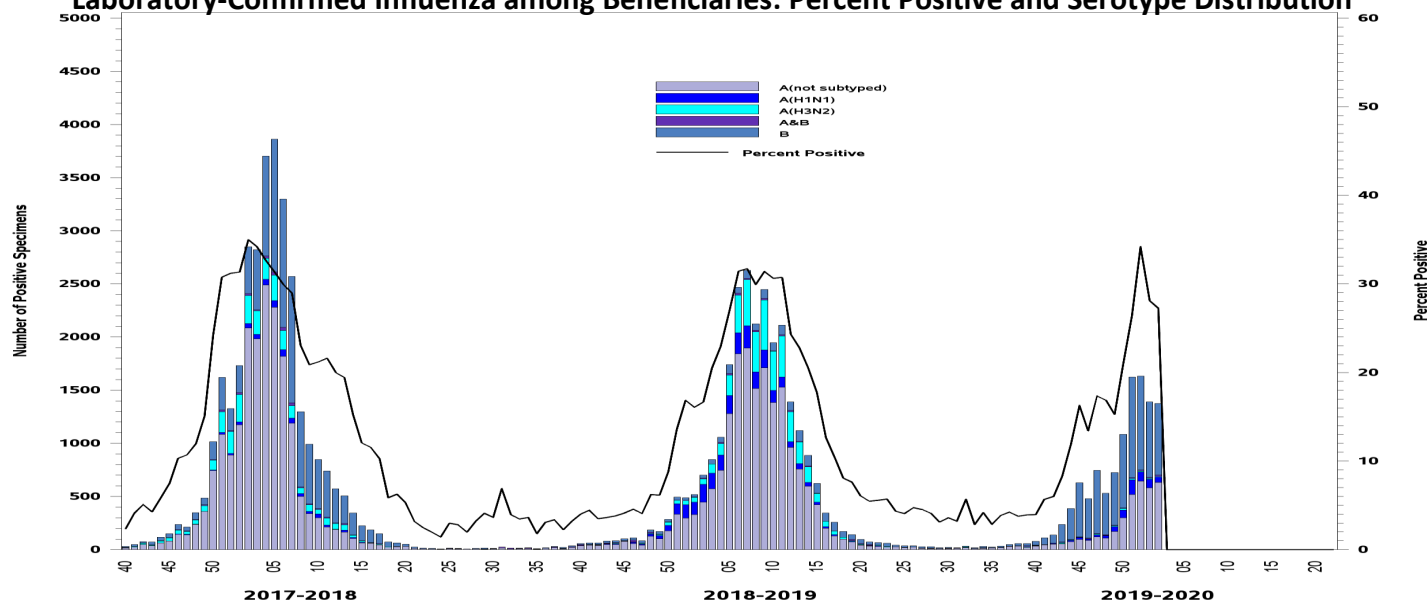
One Page Summary: Weekly Highlights

- Among all beneficiaries, counts of laboratory-confirmed influenza cases decreased and dispensed antiviral prescriptions remained similar to the prior week and were within normal levels. Inpatient counts were lower than normal.
- Among active component Service Members, laboratory-confirmed influenza cases continued to increase and were elevated above expected values. Influenza-like illness (ILI) activity remained high.
- Thirty installations had high ILI activity.
- The majority of laboratory-confirmed influenza cases continued to be type B in NORTHCOM and type A in all other combatant commands with data.
- Nine new laboratory-confirmed influenza hospitalizations were reported for week 02 (Season total: 83).

Influenza Surveillance Indicators (2019-2020 season)

All Beneficiaries	Total Per Week		Trend	Activity Level
Laboratory Cases	1375		▼	Normal
Dispensed Antivirals	1646		◀▶	Normal
Severity				Activity Level
Inpatient Laboratory Cases	9		▼	Low
Inpatient Dispensed Antivirals	51		◀▶	Low
Active Component				Activity Level
Laboratory Cases	478		▲	Elevated
Dispensed Antivirals	441		▲	Low
ILI Outpatient Visits	3%		◀▶	High

Laboratory-Confirmed Influenza among Beneficiaries: Percent Positive and Serotype Distribution

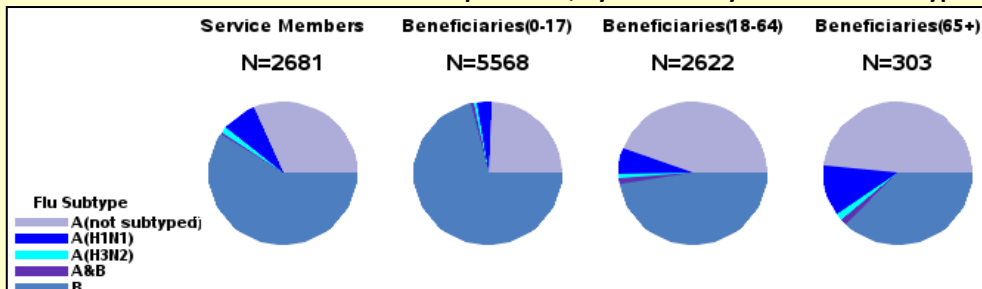


Disclaimer: Due to the transition to MHS GENESIS, data are not available from NH Oak Harbor, NH Bremerton, AFMS Fairchild, Madigan AMC, Travis AFB, Presidio of Monterey AB, NAS Lemoore, or Mountain Home AFB. Therefore, these sites are not included in this report.

Laboratory-Confirmed Influenza (2019-2020 Season: Week 02)

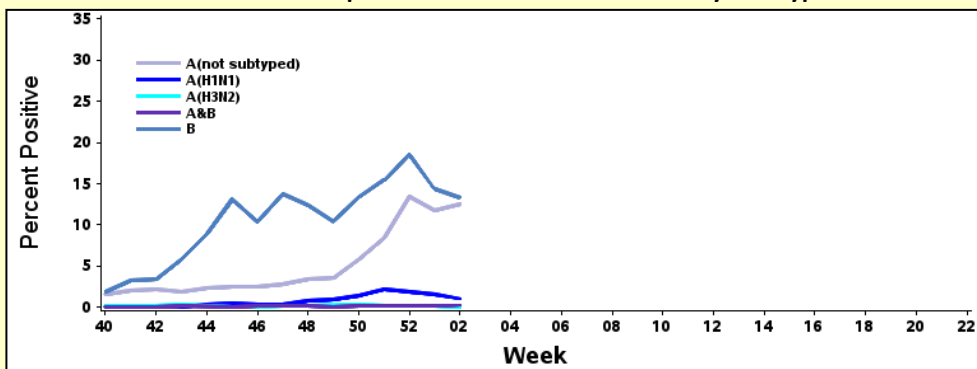
- Children continued to have the highest number of laboratory-confirmed influenza positive specimens at 5,568; Service Members once again had the second highest count at 2,681.

Number and Distribution of Positive Specimens, by Beneficiary Status and Serotype



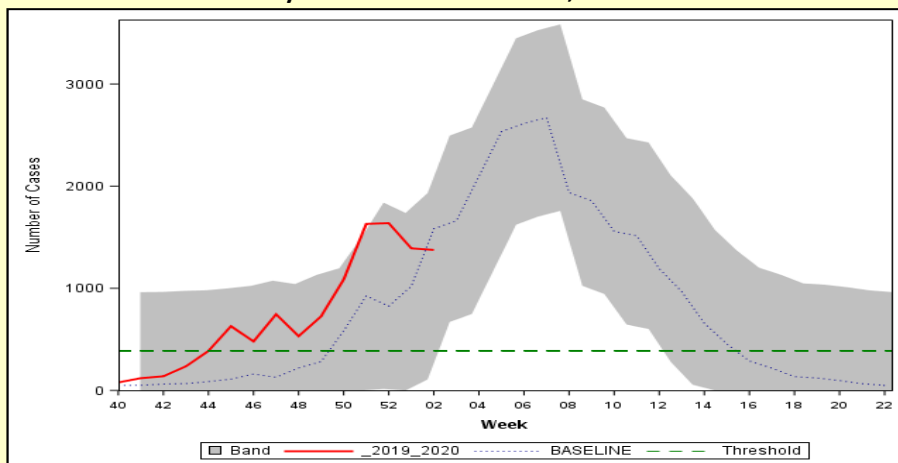
- Overall, during week 02, laboratory-confirmed influenza positive specimens continued to be nearly equally distributed between influenza A and B.

Percent of Specimens Positive for Influenza by Serotype



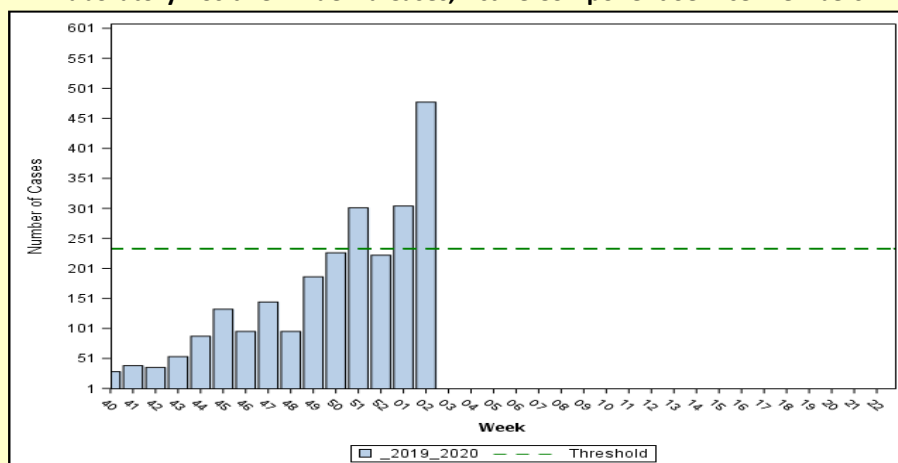
- The number of laboratory-confirmed cases among all beneficiaries decreased slightly and dropped below the baseline, but remained above the threshold.
- Band indicates one standard deviation above and below seasonal baseline estimates. Threshold indicates two standard deviations above off-season average.

Laboratory-Positive Influenza Cases, All Beneficiaries



- The number of active component Service Member laboratory-confirmed cases increased substantially during week 02 and remained well above the threshold.
- Threshold indicates two standard deviations above seasonal baseline estimates.

Laboratory-Positive Influenza Cases, Active Component Service Members

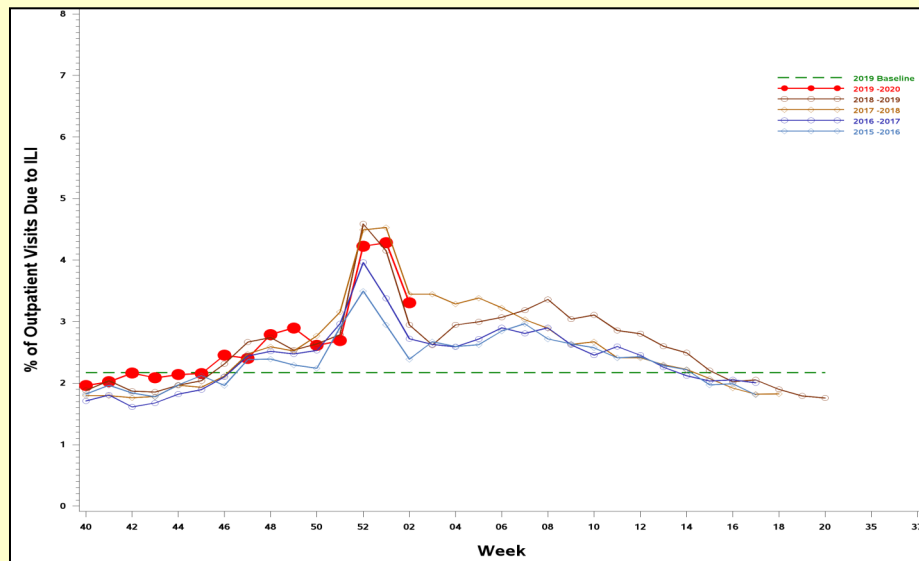


Disclaimer: Due to the transition to MHS GENESIS, data are not available from NH Oak Harbor, NH Bremerton, AFMS Fairchild, Madigan AMC, Travis AFB, Presidio of Monterey AB, NAS Lemoore, or Mountain Home AFB. Therefore, these sites are not included in this report.

ILI and Dispensed Antiviral Prescriptions (2019-2020 Season: Week 02)

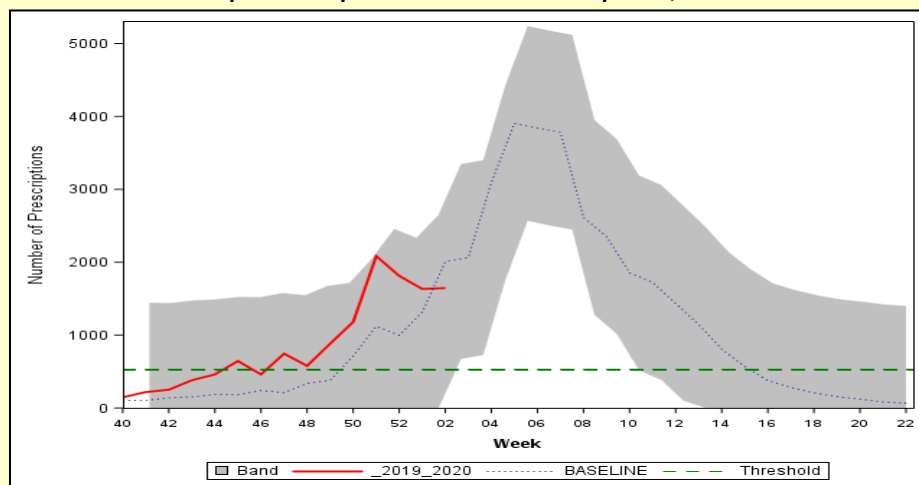
- The percent of outpatient visits due to ILI among Service Members decreased from the artificial holiday increase. However, by removing those two weeks, the percent of outpatients visits due to ILI actually increased from week 51 and was higher than prior seasons, except for the 2017-2018 season.

Percent of Outpatient Visits Due to ILI:
Service Members, 2015-2016 to 2019-2020 seasons



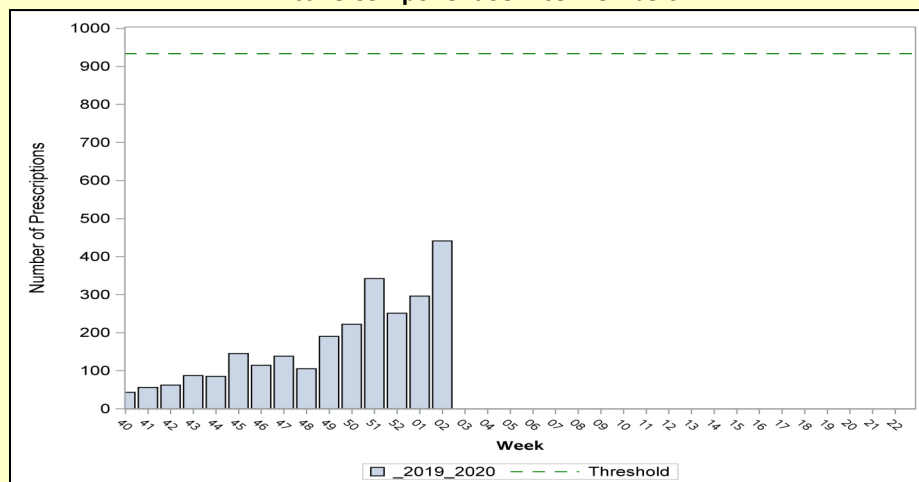
- Dispensed antiviral prescriptions among all beneficiaries increased slightly, but dropped below the baseline and remained above the threshold.
- Band indicates one standard deviation above and below seasonal baseline estimates. Threshold indicates two standard deviations above off-season average.

Influenza-Specific Dispensed Antiviral Prescriptions, All Beneficiaries



Influenza-Specific Dispensed Antiviral Prescriptions:
Active Component Service Members

- Dispensed antiviral prescriptions among active component Service Members increased, but remained well below the threshold.
- Threshold indicates two standard deviation above the overall weighted average during the season.

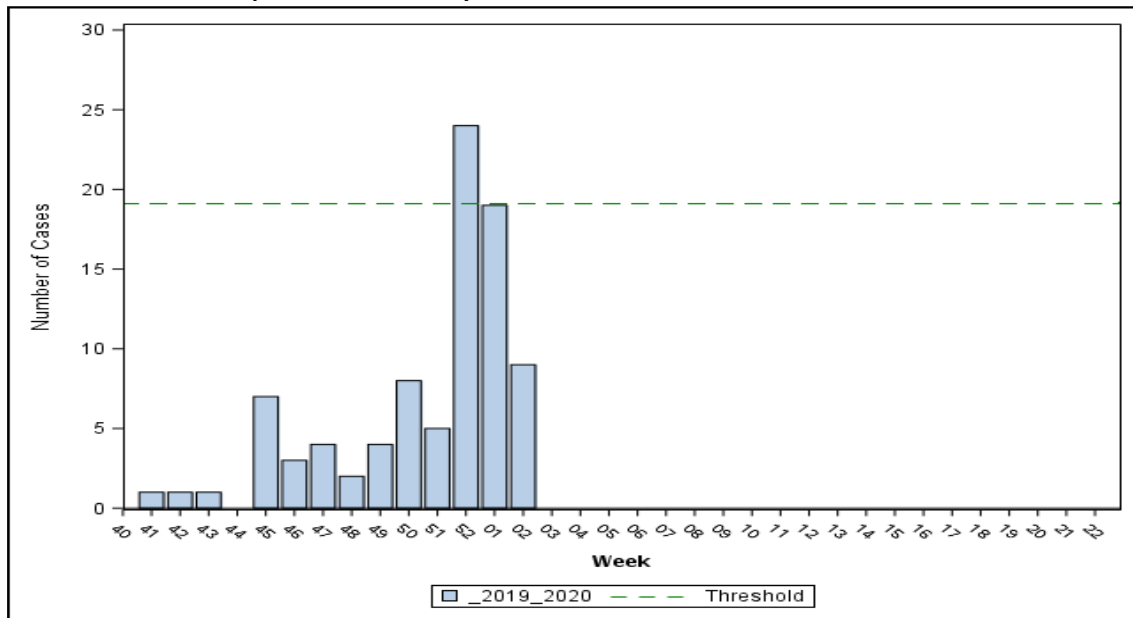


Disclaimer: Due to the transition to MHS GENESIS, data are not available from NH Oak Harbor, NH Bremerton, AFMS Fairchild, Madigan AMC, Travis AFB, Presidio of Monterey AB, NAS Lemoore, or Mountain Home AFB. Therefore, these sites are not included in this report.

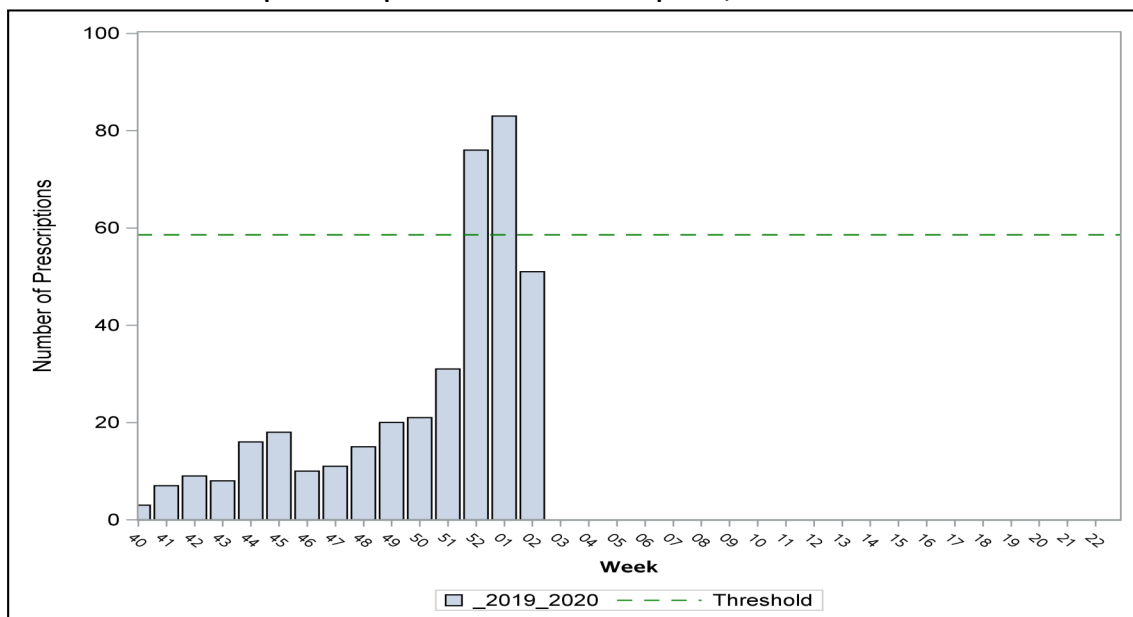
Severity: Hospitalized Influenza Metrics (2019-2020 Season: Week 02)

- Nine new laboratory-confirmed influenza hospitalizations were reported (1 Service Member (SM) / 8 other beneficiaries (BN))
 - Two influenza A (H1N1): NMC Portsmouth (1) and JB San Antonio (1)
 - Three influenza A (not subtyped): Ft Bliss (1 - SM), Ft Belvoir (1), and JR Marianas—Andersen (Guam)
 - Four influenza B: NMC San Diego (3) and Ft Bliss (1)
- ♦ There have been 83 laboratory-confirmed influenza hospitalizations this season (8 SM / 75 BN)
- The number of inpatient dispensed antiviral prescriptions decreased and went below the threshold.
- Thresholds indicates one standard deviation above the overall weighted average during the season.

Hospitalized Laboratory-Positive Influenza Cases, All Beneficiaries



Inpatient Dispensed Antivirals Prescriptions, All Beneficiaries



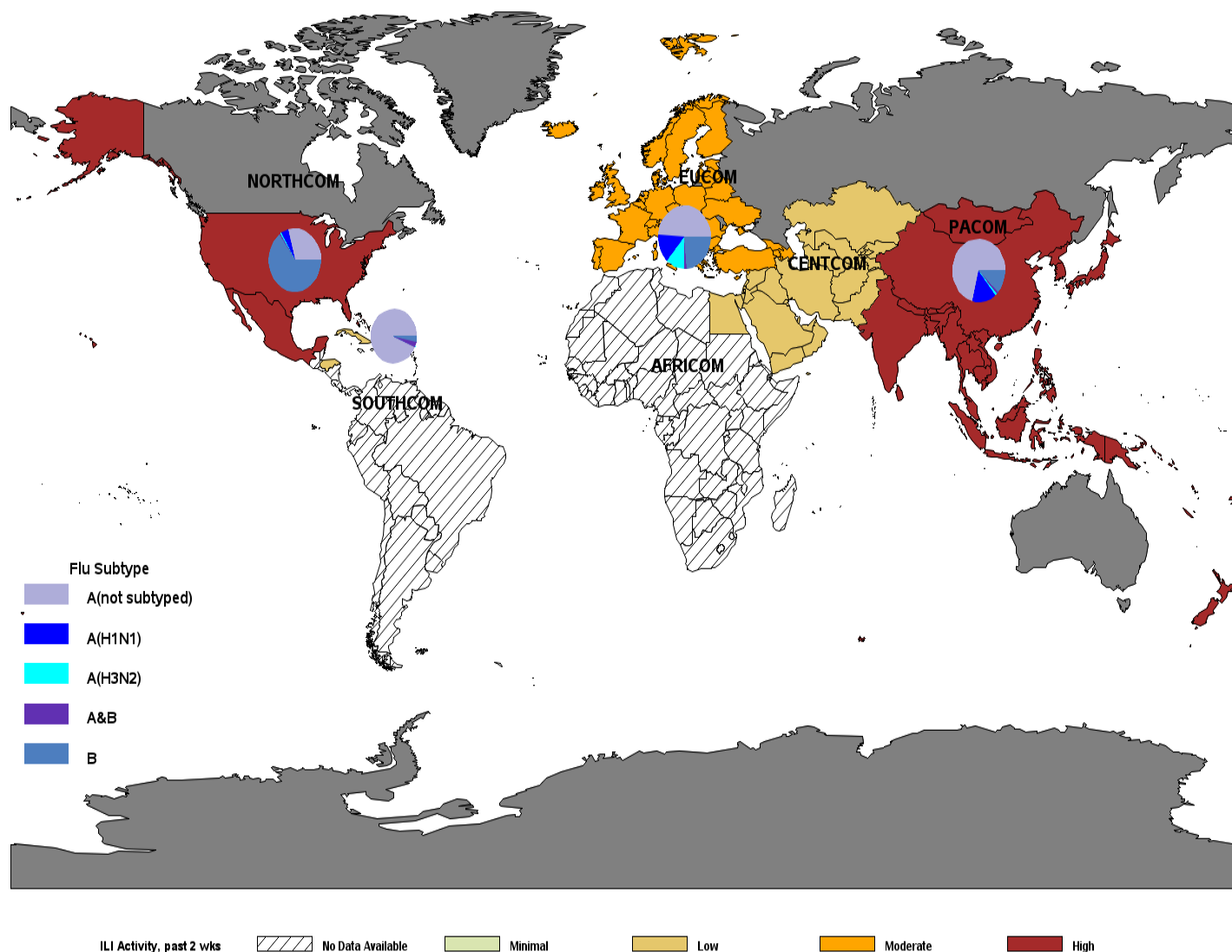
Disclaimer: Due to the transition to MHS GENESIS, data are not available from NH Oak Harbor, NH Bremerton, AFMS Fairchild, Madigan AMC, Travis AFB, Presidio of Monterey AB, NAS Lemoore, or Mountain Home AFB. Therefore, these sites are not included in this report.

Influenza Activity: Geographic Combatant Command

(2019-2020 Season: Week 02)

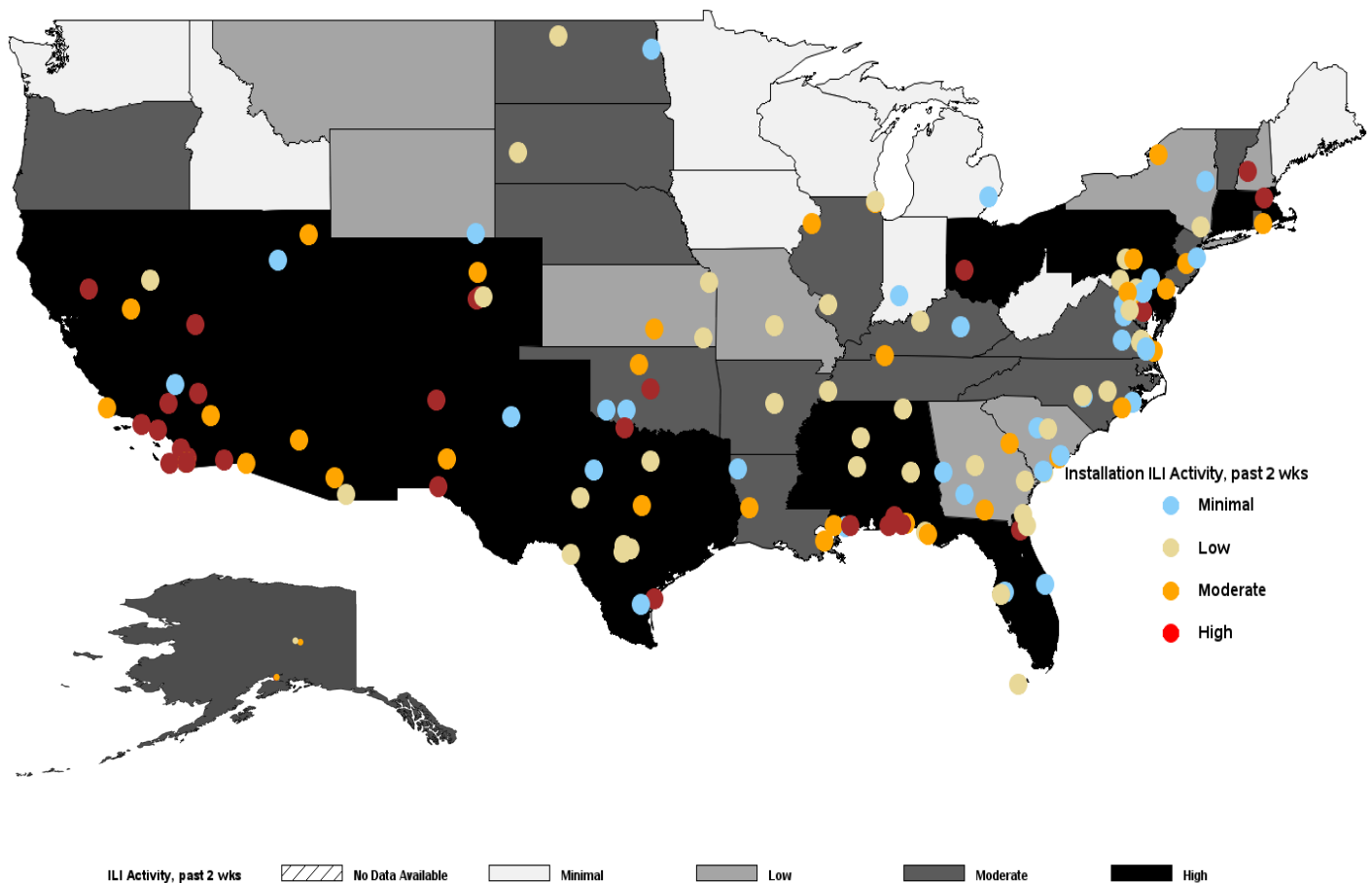
- NORTHCOM: ILI activity remained high. Over the past 2 weeks, the majority of positive specimens continued to be influenza B.
- EUCOM: ILI activity overall remained moderate. Among positive specimens, the majority continue to be influenza A.
- INDOPACOM: Overall, ILI activity remained high. The majority of positive specimens continued to be influenza A. Among sub-typed influenza A specimens, the majority were A(H1N1).
- SOUTHCOM: ILI activity increased to low in Cuba. The majority of specimens continued to be influenza A (not subtyped).
- CENTCOM: ILI activity was low overall, however Afghanistan and the United Arab Emirates had moderate activity.

ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)



Influenza Activity: NORTHCOM (2019-2020 Season: Week 02)

- ILI activity remained moderate to high at the several installations. Forty-three installations had moderate activity and 30 installations had high ILI activity.
- At the state level, the majority of states continued to have moderate to high activity.
- State level data includes both Military Treatment Facility (MTF) and outsourced care. Therefore, state activity levels may differ from the installation level data.
- Installation-level laboratory data can be found on pages 11-13 of the report.

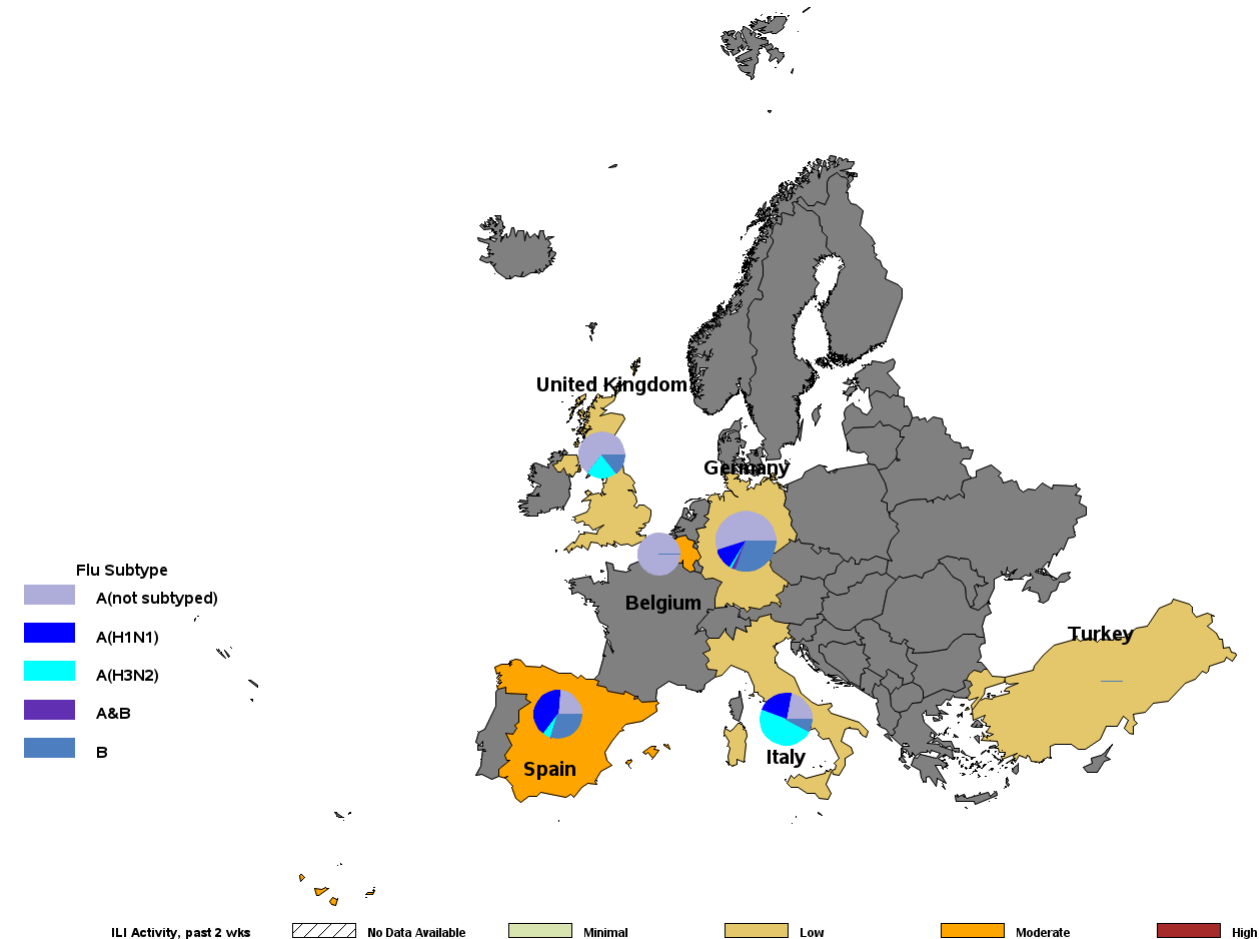


Disclaimer: Due to the transition to MHS GENESIS, data are not available from NH Oak Harbor, NH Bremerton, AFMS Fairchild, Madigan AMC, Travis AFB, Presidio of Monterey AB, NAS Lemoore, or Mountain Home AFB. Therefore, these sites are not included in this report.

Influenza Activity: EUCOM (2019-2020 Season: Week 02)

- ILI activity decreased to moderate in Spain and Belgium and remained low in all other EUCOM countries with data.
- The majority of positive specimens in the past 2 weeks were influenza A.

ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)

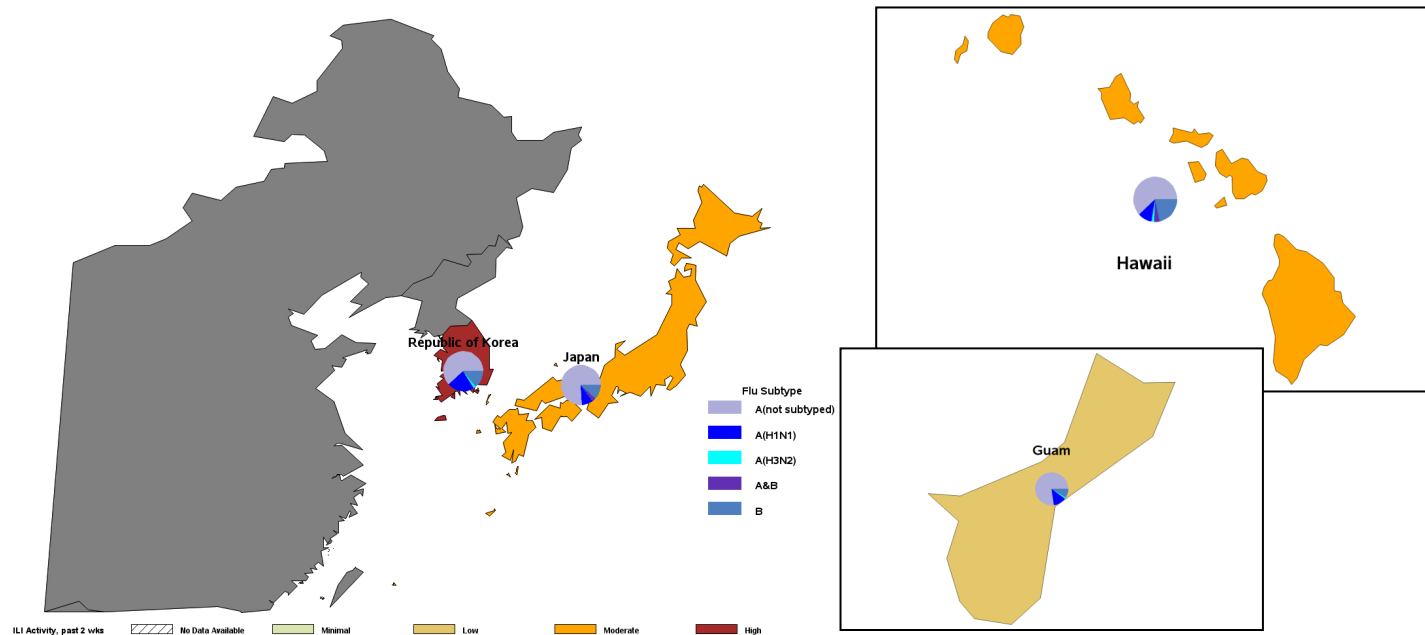


Country	Location	Service	A (not sub-typed)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
Belgium	Shape	A	2	4	0	0	0	0	0	0	0	0	2	2	100	↑
Germany	Barton Barracks	A	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Germany	Landstuhl RMC	A	12	20	3	4	0	1	0	2	7	14	22	63	35	↔
Germany	Patch Barracks	A	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Germany	Ramstein AB	F	1	3	1	1	0	0	0	0	0	2	2	10	20	↑
Germany	Spangdahlem AB	F	0	0	0	1	0	0	0	0	0	1	0	0	0	↔
Germany	USAG Bavaria	A	4	5	2	4	0	0	0	0	4	5	10	28	36	↑
Germany	USAG Hohenfels/Amberg	A	3	5	0	0	0	0	0	0	0	3	3	12	25	↔
Germany	USAG Kaiserslautern	A	0	1	0	0	0	0	0	0	0	1	0	4	0	↔
Germany	USAG Katterbach	A	5	9	0	0	0	0	0	0	0	1	5	11	45	↓
Germany	USAG Wiesbaden	A	4	6	0	0	0	0	0	0	0	0	4	8	50	↓
Italy	Aviano AB	F	1	1	0	0	0	2	0	0	0	1	1	5	20	↑
Italy	NAS Sigonella	N	0	1	0	0	0	0	0	0	0	0	0	5	0	↔
Italy	NSA Naples	N	1	4	1	4	1	7	0	0	0	0	3	32	9	↑
Italy	USAG Italy	A	0	0	1	2	1	4	0	0	1	1	3	9	33	↓
Spain	NS Rota	N	3	4	0	7	0	1	0	0	3	5	6	28	21	↓
Turkey	Incirlik AB	F	0	0	0	0	0	0	0	0	0	0	0	2	0	↔
United Kingdom	RAF Alconbury	F	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
United Kingdom	RAF Croughton	F	0	0	0	0	0	1	0	0	0	0	0	0	0	↔
United Kingdom	RAF Lakenheath	F	3	9	0	0	1	2	0	0	0	2	4	19	21	↓

Influenza Activity: INDOPACOM (2019-2020 Season: Week 02)

- ILI activity increased to low in Guam, moderate in Hawaii and Japan and high in the Republic of Korea.
- The majority of positive specimens over the past 2 weeks continued to be influenza A.
- Among subtyped specimens, the majority have been influenza A (H1N1) for the season.

ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)

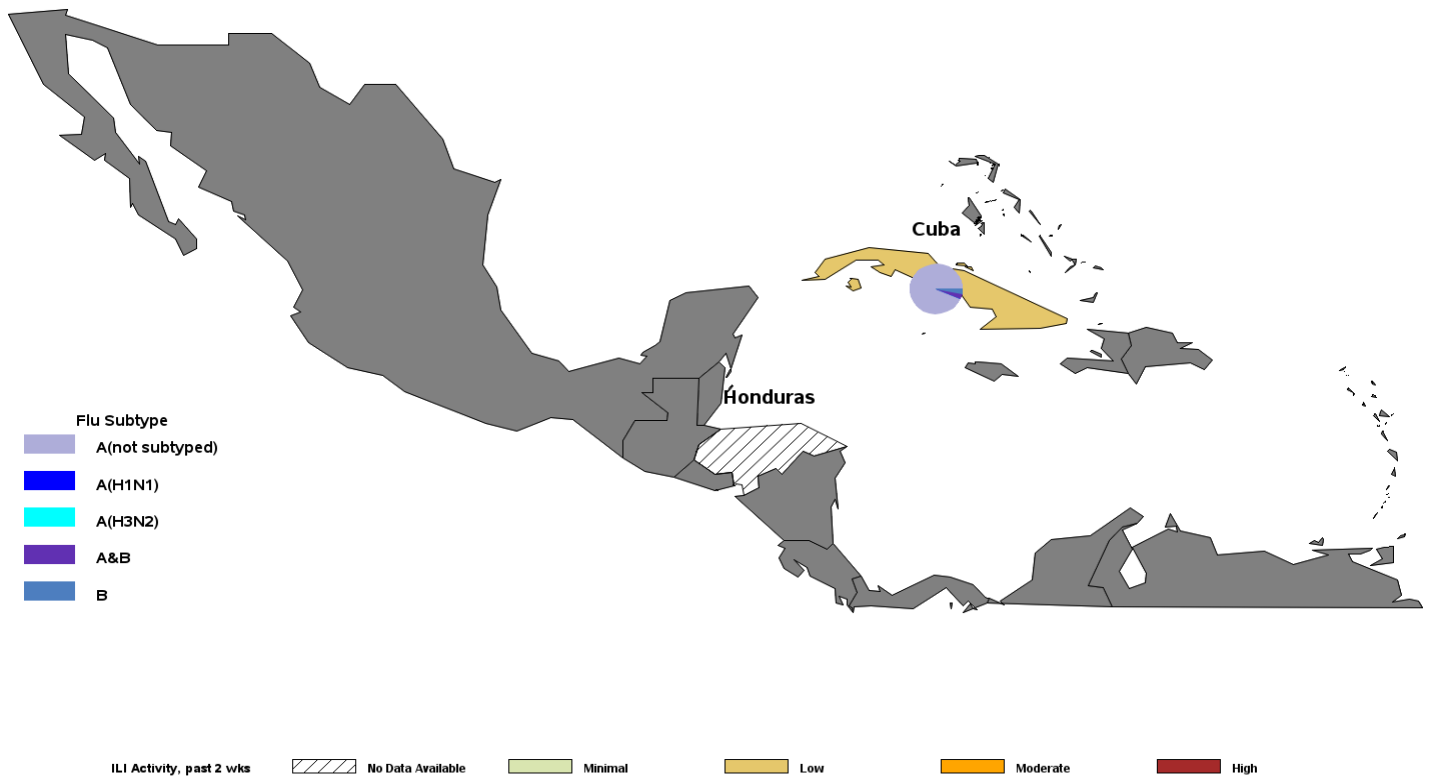


Country	Location	Service	A (not sub-typed)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
Guam	JB Andersen	J	4	92	0	15	0	2	0	0	1	10	5	60	8	↑
Japan	CFA Okinawa	N	3	16	0	0	0	0	0	0	2	8	5	20	25	↓
Japan	CFA Yokosuka	N	3	34	0	0	0	0	0	2	0	1	3	29	10	↓
Japan	Camp Foster	N	0	1	0	0	0	0	0	0	0	0	0	0	0	↔
Japan	Camp Fuji	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Japan	Camp Zama	A	2	10	0	0	0	0	0	0	0	1	2	10	20	↓
Japan	Kadena AB	F	0	1	0	2	0	1	0	0	0	1	0	9	0	↔
Japan	MCAS Futenma	N	2	2	0	0	0	0	0	0	0	0	2	5	40	↓
Japan	MCAS Iwakuni	N	9	21	0	0	0	0	1	1	0	1	10	40	25	↑
Japan	Misawa AB	F	1	6	0	0	0	0	0	1	0	3	1	18	6	↓
Japan	NAF Atsugi	N	2	2	0	0	0	0	0	0	0	0	2	5	40	↓
Japan	NB Okinawa	N	9	25	0	0	0	0	0	0	0	3	9	52	17	↔
Japan	USFA Sasebo	N	2	2	0	0	0	0	0	0	0	0	2	7	29	↑
Japan	Yokota AB	F	3	17	0	14	0	0	0	1	0	3	3	25	12	↑
Korea, Republic of	CFA Chinhae	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
Korea, Republic of	Camp Casey	A	1	1	0	0	0	0	0	0	0	0	1	3	33	↑
Korea, Republic of	Camp Humphreys	A	25	29	0	0	0	0	0	0	1	1	26	48	54	↓
Korea, Republic of	Camp Walker	A	2	13	0	0	0	0	0	0	2	2	4	15	27	↑
Korea, Republic of	Kunsan AB	F	0	0	0	2	0	0	0	0	0	0	0	1	0	↔
Korea, Republic of	Osan AB	F	4	6	1	35	0	3	0	0	0	3	5	34	15	↑
Korea, Republic of	Yongsan Garrison	A	26	49	0	0	0	0	0	0	2	16	28	74	38	↓
United States	Camp H M Smith	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
United States	Ft Shafter	A	33	71	0	20	0	4	0	7	13	24	46	144	32	↑
United States	JB Pearl Harbor-Hickam	J	7	29	0	0	0	0	0	0	2	6	9	18	50	↑
United States	MCB Hawaii	N	0	4	0	1	0	0	0	0	2	3	2	7	29	↑
United States	Schofield Barracks	A	10	20	0	0	0	0	0	1	4	10	14	42	33	↑

Influenza Activity: SOUTHCOM (2019-2020 Season: Week 02)

- ILI activity increased to low in Cuba.
- Data from Honduras is only available through 21DEC2019, so ILI activity for week 01 cannot be provided.
- The majority of positive specimens continued to be Influenza A.

ILI Activity (Service Members) and Laboratory-Confirmed Influenza (All Beneficiaries)



Country	Location	Service	A (not sub-typed)		A (H1N1)		A (H3N2)		A & B		B		Total posi-tive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
Cuba	Guantanamo Bay	N	0	30	0	0	0	0	0	1	0	1	0	5	0	↔

Influenza Activity: CENTCOM (2019-2020 Season: Week 02)

- ILI activity varied by country in CENTCOM:
 - ILI activity was moderate in Afghanistan (decrease) and the United Arab Emirates
 - ILI activity increased to low in Qatar
 - ILI activity remained minimal in Kuwait

ILI Activity (Service Members)



*Locations colored in dark gray have no Service Member medical encounter data.

NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 02)

Laboratory-Confirmed Influenza (All Beneficiaries) by Installation Alaska through Georgia

State	Location	Service	A (not subtyped)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season				
AK	Eielson AFB	F	0	0	0	0	0	0	0	0	5	8	5	10	50	↑
AK	Ft Greely	A	0	0	0	0	0	0	0	0	0	0	0	1	0	↔
AK	Ft Wainwright	A	17	36	2	7	0	0	0	0	24	61	43	124	35	↓
AK	JB Elmendorf-Richardson	J	8	19	0	4	0	3	0	0	26	91	34	111	31	↓
AL	Ft Rucker	A	3	10	0	0	0	0	0	0	1	56	4	32	13	↓
AL	Maxwell AFB	F	5	13	0	5	0	0	0	1	4	22	9	27	33	↓
AL	Redstone Arsenal	A	4	5	0	0	0	0	0	0	2	18	6	28	21	↑
AR	Little Rock AFB	F	1	1	1	5	0	0	0	0	1	5	3	17	18	↓
AZ	Davis-Monthan AFB	F	0	0	0	1	0	0	0	0	1	9	1	2	50	↑
AZ	Ft Huachuca	A	0	1	0	1	0	0	0	0	1	6	1	11	9	↑
AZ	Luke AFB	F	2	4	0	1	0	0	0	2	2	35	4	19	21	↑
AZ	MCAS Yuma	N	0	0	1	1	0	0	0	0	2	7	3	4	75	↑
CA	Beale AFB	F	1	5	0	0	0	0	0	0	3	7	4	9	44	↑
CA	Camp Pendleton	N	22	77	21	33	3	14	0	1	47	170	93	245	38	↓
CA	Edwards AFB	F	2	2	0	0	0	0	0	0	1	2	3	5	60	↑
CA	Ft Irwin	A	3	7	0	0	0	0	0	0	9	70	12	77	16	↓
CA	Los Angeles AFB	F	1	1	0	0	0	0	0	0	0	2	1	3	33	↓
CA	MBHC Eastlake	N	0	0	1	4	0	0	0	0	0	2	1	4	25	↓
CA	NAF El Centro	N	0	0	1	1	0	0	0	0	0	0	1	5	20	↑
CA	NB Coronado	N	0	0	1	1	0	0	0	0	0	1	1	5	20	↑
CA	NB San Diego	N	1	6	51	86	2	15	5	9	43	130	102	336	30	↑
CA	NV Ventura County	N	0	0	0	0	0	0	0	0	0	0	0	0	0	↔
CA	Twentynine Palms	N	2	34	0	0	0	0	0	0	8	141	10	73	14	↑
CA	Vandenberg AFB	F	1	1	0	0	0	0	0	0	0	0	1	4	25	↑
CO	Buckley AFB	F	1	4	0	0	0	0	0	0	1	8	2	11	18	↑
CO	Ft Carson	A	21	92	0	0	0	0	1	2	72	290	94	279	34	↑
CO	Peterson AFB	F	1	2	1	6	0	2	0	0	6	18	8	22	36	↓
CO	Schriever AFB	F	0	0	0	2	0	0	0	0	1	4	1	6	17	↑
CO	USAF Academy	F	5	11	0	0	0	1	0	0	9	31	14	33	42	↑
CT	NSB New London	N	1	3	0	0	0	0	0	0	3	10	4	10	40	↔
DC	JB Anacostia-Bolling	F	1	1	0	0	0	0	0	0	2	6	3	7	43	↓
DC	Pentagon	J	2	6	0	0	0	0	0	0	2	4	4	14	29	↑
DC	Washington Navy Yard	N	0	0	0	0	0	0	0	0	1	1	1	3	33	↑
DE	Dover AFB	F	1	1	1	2	0	0	0	0	3	14	5	11	45	↓
FL	Eglin AFB	J	22	61	0	9	0	1	0	1	11	43	33	101	33	↓
FL	Hurlburt Field	F	1	4	0	0	0	0	0	0	3	8	4	14	29	↓
FL	Macdill AFB	F	13	31	0	0	0	1	0	0	7	81	20	59	34	↑
FL	NAS Jacksonville	J	45	154	0	0	0	0	1	1	28	147	74	232	32	↓
FL	NAS Key West	J	0	8	0	0	0	0	0	0	0	1	0	2	0	↔
FL	NAS Pensacola	N	26	76	0	0	0	0	0	2	24	181	50	228	22	↓
FL	NAS Whiting Field	N	2	4	0	0	0	0	0	0	2	7	4	19	21	↓
FL	NS Mayport	J	3	27	0	0	0	0	0	0	4	26	7	25	28	↓
FL	Patrick AFB	F	4	18	0	0	0	0	0	1	2	31	6	28	21	↓
FL	Tyndall AFB	F	0	1	0	0	0	0	0	1	4	7	4	8	50	↑
GA	Ft Benning	A	72	217	0	0	0	2	0	5	44	196	116	412	28	↓
GA	Ft Gordon	A	22	55	0	0	0	0	0	2	9	88	31	185	17	↑
GA	Ft Stewart	A	10	31	0	0	0	0	0	2	20	89	30	130	23	↑
GA	Hunter Army Airfield	A	1	5	0	0	0	0	0	0	1	14	2	10	20	↑
GA	Moody AFB	F	3	4	0	8	0	0	0	0	0	7	3	13	23	↑
GA	NAS Albany	J	4	5	0	0	0	0	0	0	0	14	4	8	50	↔
GA	NSB Kings Bay	J	1	6	0	0	0	0	1	1	1	4	3	11	27	↑
GA	Robins AFB	F	0	0	1	13	0	0	0	0	2	4	3	5	60	↓

Disclaimer: Due to the transition to MHS GENESIS, data are not available from NH Oak Harbor, NH Bremerton, AFMS Fairchild, Madigan AMC, Travis AFB, Presidio of Monterey AB, NAS Lemoore, or Mountain Home AFB. Therefore, these sites are not included in this report.

NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 02)

Laboratory-Confirmed Influenza (All Beneficiaries) by Installation Illinois through New York

State	Location	Service	A (not subtyped)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
IL	NS Great Lakes	N	11	30	1	2	0	0	0	1	17	235	29	145	20	↔
IL	Scott AFB	F	1	1	2	8	0	0	0	1	3	7	6	13	46	↓
KS	Ft Leavenworth	A	5	32	0	0	0	0	0	0	3	17	8	29	28	↑
KS	Ft Riley	A	16	37	0	0	0	0	0	0	29	77	45	168	27	↓
KS	McConnell AFB	F	0	1	0	1	0	0	0	0	1	2	1	5	20	↓
KY	Ft Campbell	A	23	94	0	0	0	0	0	0	31	134	54	314	17	↓
KY	Ft Knox	A	1	11	0	0	0	0	0	0	0	3	1	9	11	↑
LA	Barksdale AFB	F	0	5	0	0	0	0	0	0	1	5	1	17	6	↓
LA	Ft Polk	A	17	51	0	0	0	0	1	1	10	61	28	103	27	↓
LA	NAS Belle Chase	N	3	3	0	0	0	0	0	0	0	1	3	11	27	↓
MA	Hanscom AFB	F	0	0	0	0	0	0	0	0	0	0	0	6	0	↔
MD	Aberdeen Proving Ground	A	3	6	0	0	0	0	0	0	5	11	8	27	30	↓
MD	Ft Detrick	A	3	7	0	0	0	0	0	0	4	19	7	26	27	↑
MD	Ft Meade	A	4	6	0	0	0	0	0	0	5	12	9	20	45	↑
MD	JB Andrews	F	17	36	0	0	0	1	1	2	31	107	49	175	28	↓
MD	NAS Patuxent River	N	3	6	0	0	0	0	1	1	5	9	9	26	35	↑
MD	NBHC Bancroft Hall	N	10	30	0	0	0	0	1	1	7	12	18	26	69	↑
MD	NHC Annapolis	N	5	15	0	0	0	0	1	1	4	6	10	28	36	↑
MD	NSF Indian Head	N	0	0	0	0	0	0	0	0	2	4	2	7	29	↑
MD	WRNMMC	J	32	75	1	3	1	1	0	1	60	173	94	326	29	↓
MO	Ft Leonard Wood	A	10	26	0	2	0	2	0	0	12	34	22	115	19	↑
MO	Whiteman AFB	F	2	3	0	0	0	0	0	0	3	4	5	16	31	↑
MS	Columbus AFB	F	1	2	0	0	0	0	0	0	3	6	4	10	40	↓
MS	Keesler AFB	J	10	28	0	2	0	0	0	0	16	147	26	131	20	↔
MS	NAS Meridian	N	1	2	0	0	0	0	0	0	0	2	1	4	25	↑
MS	NBHC Gulfport	N	0	3	0	0	0	0	0	0	0	19	0	13	0	↔
MT	Malmstrom AFB	F	0	1	0	0	0	0	0	0	0	2	0	0	0	↔
NC	Camp Lejeune	N	30	186	0	1	0	0	0	0	17	75	47	174	27	↑
NC	Ft Bragg	J	1	4	2	2	0	0	2	2	2	5	7	254	3	↓
NC	MCAS Cherry Point	N	2	6	0	0	0	0	0	0	4	19	6	30	20	↓
NC	Pope Army Airfield	J	0	0	0	0	0	0	0	0	0	0	0	32	0	↔
NC	Seymour Johnson AFB	J	0	1	0	0	0	1	0	0	3	4	3	4	75	↓
ND	Grand Forks AFB	F	0	0	0	0	0	0	0	0	2	2	2	3	67	↑
ND	Minot AFB	F	0	0	0	0	0	0	0	0	1	2	1	16	6	↑
NE	Offutt AFB	F	0	1	1	19	0	0	0	0	1	2	2	7	29	↓
NH	Portsmouth	N	1	2	0	0	0	0	0	0	0	1	1	7	14	↓
NJ	JB McGuire-Dix-Lakehurst	F	0	2	1	1	0	1	0	0	2	4	3	11	27	↓
NM	Cannon AFB	F	0	0	0	0	0	0	0	0	0	1	0	2	0	↔
NM	Holloman AFB	F	0	1	0	0	0	0	1	0	0	6	0	9	0	↔
NM	Kirtland AFB	F	1	2	0	3	0	2	0	0	0	7	1	15	7	↑
NM	White Sands Missile Range	A	0	0	0	0	0	0	0	0	1	3	1	2	50	↑
NV	Nellis AFB	F	23	48	0	12	0	4	0	0	5	183	28	76	37	↑
NY	Ft Drum	A	2	3	0	1	0	5	0	0	7	18	9	30	30	↓
NY	West Point	A	2	5	4	10	1	5	0	0	14	26	21	55	38	↓

Disclaimer: Due to the transition to MHS GENESIS, data are not available from NH Oak Harbor, NH Bremerton, AFMS Fairchild, Madigan AMC, Travis AFB, Presidio of Monterey AB, NAS Lemoore, or Mountain Home AFB. Therefore, these sites are not included in this report.

NORTHCOM Laboratory-Confirmed Influenza

(2019-2020 Season: Week 02)

Laboratory-Confirmed Influenza (All Beneficiaries) by Installation Ohio through Wyoming

State	Location	Service	A (not subtyped)		A (H1N1)		A (H3N2)		A & B		B		Total positive	Total tested	% Positive	Change from last report
			2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	Season	2 wks	2 wks	2 wks	
OH	Wright-Patterson AFB	F	5	5	8	36	1	2	0	1	14	59	28	107	26	↓
OK	Altus AFB	F	0	0	1	1	0	0	0	0	1	5	2	15	13	↓
OK	Ft Sill	A	16	29	0	1	0	0	1	1	21	63	38	125	30	↑
OK	Tinker AFB	F	5	5	0	0	0	0	0	0	9	20	14	36	39	↑
OK	Vance AFB	F	1	1	0	3	0	0	0	1	4	6	5	13	38	↑
PA	Carlisle Barracks	A	3	3	0	0	0	0	0	0	2	4	5	14	36	↑
PR	Ft Buchanan	A	0	0	0	0	0	0	0	0	4	12	4	15	27	↓
PR	NS Roosevelt Roads	N	0	2	0	0	0	0	0	0	0	0	0	0	0	↔
RI	NHC New England	N	0	0	0	0	0	0	0	0	0	0	0	6	0	↔
SC	Ft Jackson	A	14	51	0	0	0	0	0	0	14	82	28	88	32	↑
SC	JB Charleston	J	2	22	0	1	0	0	0	0	8	38	10	46	22	↑
SC	MCAS Beaufort	N	2	6	0	1	0	1	0	0	1	5	3	13	23	↑
SC	Parris Island	N	1	6	0	0	0	0	0	0	3	26	4	39	10	↓
SC	Shaw AFB	F	4	5	0	2	0	1	0	0	2	23	6	18	33	↓
SD	Ellsworth AFB	F	0	0	0	0	0	0	0	0	6	7	6	21	29	↑
TN	Ft Campbell	A	7	25	0	2	0	1	0	0	4	44	11	39	28	↓
TN	NSA Mid-South	N	2	5	0	0	0	0	0	0	1	2	3	10	30	↓
TX	Dyess AFB	F	1	4	0	0	0	0	0	2	3	9	4	25	16	↑
TX	Ft Bliss	A	85	127	1	50	0	6	0	3	154	340	240	701	34	↑
TX	Ft Hood	A	44	144	1	7	0	0	1	3	43	1120	89	444	20	↔
TX	Goodfellow AFB	F	2	3	0	0	0	0	0	0	4	13	6	22	27	↓
TX	JB San Antonio	J	170	499	5	57	1	2	3	10	156	623	335	882	38	↓
TX	Laughlin AFB	F	0	1	0	1	0	0	0	0	1	3	1	10	10	↓
TX	NAS Corpus Christi	N	0	2	0	0	0	0	0	0	0	2	0	0	0	↔
TX	Sheppard AFB	F	2	5	0	5	0	0	0	0	5	16	7	28	25	↑
UT	Hill AFB	F	1	1	0	1	0	0	0	0	4	8	5	13	38	↓
VA	Ft Belvoir	J	40	87	0	0	0	0	1	3	65	302	106	456	23	↓
VA	Ft Lee	A	3	12	0	0	0	0	0	2	6	37	9	48	19	↑
VA	JB Langley-Eustis	J	2	23	0	6	1	2	0	0	12	61	15	59	25	↓
VA	JB Little Creek-Ft Story	J	1	1	0	0	0	0	0	0	0	0	1	2	50	↓
VA	JB Myer-Henderson Hall	A	3	4	0	0	0	0	0	0	1	14	4	9	44	↑
VA	MCB Quantico	N	3	7	0	0	0	0	0	0	12	25	15	49	31	↓
VA	NAS Oceana	N	2	2	0	0	0	0	0	0	5	8	7	14	50	↑
VA	NB Dam Neck	N	1	2	0	0	0	0	0	0	1	1	2	5	40	↑
VA	NS Norfolk	N	0	0	0	0	0	0	0	0	2	4	2	8	25	↓
VA	NWS Dahlgren	N	0	0	0	0	0	0	0	0	0	0	0	2	0	↔
VA	NWS Yorktown	N	1	1	0	0	0	0	0	0	0	3	1	4	25	↑
VA	Portsmouth	N	2	5	13	25	0	4	0	0	15	119	30	83	36	↓
VA	TPC Suffolk	N	0	0	0	0	0	0	0	0	0	1	0	2	0	↔
WY	FE Warren AFB	F	1	5	1	1	0	0	0	0	1	3	3	14	21	↓

Disclaimer: Due to the transition to MHS GENESIS, data are not available from NH Oak Harbor, NH Bremerton, AFMS Fairchild, Madigan AMC, Travis AFB, Presidio of Monterey AB, NAS Lemoore, or Mountain Home AFB. Therefore, these sites are not included in this report.

Surveillance Programs and Data Sources

Defense Health Agency / Armed Forces Health Surveillance Branch (AFHSB):

The Armed Forces Health Surveillance Branch (AFHSB) is the central epidemiologic resource for the U.S. Armed Forces, conducting medical surveillance to protect those who serve our nation in uniform and allies who are critical to our national security interests. The Epidemiology and Analysis Section of AFHSB, the Epi Data Center of the Navy and Marine Corps Public Health Center, and the Air Force Satellite Office in Dayton, Ohio (Wright-Patterson AFB) have compiled data for this report from the following sources below.

Influenza-like Illness Activity:

Medical encounter and demographic data from the AFHSB's Defense Medical Surveillance System (DMSS) are used to generate portions of this report. ICD-10 codes from outpatient encounters are used to identify influenza-like illness (ILI). ILI is defined using the following codes: B97.89, H66.9, H66.90, H66.91, H66.92, H66.93, J00, J01.9, J01.90, J06.9, J09, J09.X, J09.X1, J09.X2, J09.X3, J09.X9, J10, J10.0, J10.00, J10.01, J10.08, J10.1, J10.2, J10.8, J10.81, J10.82, J10.83, J10.89, J11, J11.0, J11.00, J11.08, J11.1, J11.2, J11.8, J11.81, J11.82, J11.83, J11.89, J12.89, J12.9, J18, J18.1, J18.8, J18.9, J20.9, J40, R05, R50.9.

The percentage of all outpatient visits that have an ILI code is calculated each week for all service members, regardless of component. These data are presented weekly for the current season and compared to the four prior seasons among service members. Influenza activity levels are calculated by comparing the mean reported percent of visits due to ILI for the previous two weeks to the mean reported percent of visits due to ILI during baseline weeks (defined as non-influenza weeks (weeks 22-39) over the past 3 years). There are four influenza activity levels, minimal, low, moderate, and high. The activity level corresponds to the number of standard deviations (SD) below, at or above the mean for the current 2 week period compared to the mean of the baseline weeks. Minimal activity corresponds to an influenza percentage that is less than 2 SD above the mean. Low activity corresponds to an influenza percentage that is equal to or greater than 2 SD above the mean, but less than 4 SD above the mean. Moderate activity corresponds to an influenza percentage that is equal to or greater than 4 SD above the mean, but less than 6 SD above the mean. High activity corresponds to an influenza percentage that is equal to or greater than 6 SD above the mean.

Influenza activity levels are presented in the Combatant Command (CCMD) maps, either by Installation, state, or country.

Influenza Positive Specimens:

Influenza lab results (HL-7 formatted data) are compiled and transmitted from the Navy and Marine Corps Public Health Center to AFHSB. Results obtained via PCR, viral culture, and rapid influenza assays are reported. Although the inclusion of rapid tests may underestimate the weekly and cumulative percent positive estimates due to false negatives, visibility of the positive rapid results provides valuable information for this surveillance report. Influenza types/subtypes are categorized as influenza A/not subtyped, influenza A(H1N1), influenza A(H3N2), influenza A and B co-infection, and influenza B. Additionally, laboratory-confirmed positive results are used to identify influenza-related hospitalization cases across the DoD.

The percent positivity is calculated by dividing the number of influenza positive specimens by the total number of specimens (positive and negative only; inconclusive results are excluded). The distributions of percent positive specimens by subtype are presented on a weekly basis for the entire influenza season. For each CCMD state, the distribution of subtypes for the previous 2 weeks are presented as pie graphs for states and countries. For installations, data are presented in tables with counts and percent positive by subtype for the past 2 weeks and for the entire season. The "change from last report" column reports the absolute difference in the percent positive from the prior week's report to the current week's report.

Surveillance Programs and Data Sources

Pharmacy Transactions for Dispensed Antiviral Prescriptions:

HL7-formatted pharmacy transactions are used to assess the number of dispensed influenza antiviral (AV) prescriptions. Four influenza AV medications approved by the Food and Drug Administration (FDA) are recommended by the CDC for use in the United States (US) for the 2019-2020 influenza season: oral oseltamivir (Tamiflu® or generic), inhaled zanamivir (Relenza®), and intravenous peramivir (Rapivab®), and baloxavir marboxil (Xofluza®). These prescriptions are included in this surveillance. The overall count of dispensed AV prescriptions by week is presented graphically for the influenza season. A seasonal baseline is displayed with dispensed AV prescriptions. Surveillance thresholds are displayed with the count of inpatient dispensed AV prescriptions. Additionally, counts of inpatient dispensed influenza AV prescriptions are presented weekly for the influenza season.

Baselines, Thresholds, and Trends:

Weekly baselines used a three-year average to compare results with those from the same week during the previous three seasons. Bands for one and two standard deviations above seasonal baseline estimates are displayed to indicate when trends diverge with respect to timing or volume from those of recent seasons. The ILI, lab, and dispensed AV prescription data thresholds are calculated by adding two standard deviations to the off-season average.

Inpatient thresholds (lab and dispensed AV prescription data) are calculated by adding one standard deviation to the overall weighted average for in-season weeks. Weeks that represent at least 2% of the total season's laboratory-positive influenza cases for at least two consecutive weeks was considered to be "in-season" or influenza weeks; all other weeks are considered to be "off-season" or non-influenza weeks.

Links to Service-Specific Influenza Reports:

Select the following links to see service-specific influenza surveillance weekly reports:

- Navy and Marine Corps Public Health Center (NMCPHC):
<https://www.med.navy.mil/sites/nmcphc/epi-data-center/influenza/Pages/default.aspx>
- United States Air Force School of Aerospace Medicine (USAFSAM)/Defense Health Agency (DHA):
<https://hpws.afrl.af.mil/epi-consult/influenza/ActivityUpdates.cfm>